

HUNGARY

SANDOR, Tamas, Dr; Health Service of the Hungarian People's Army (Magyar Nephadsereg Egeszsegugyi Szolgalata).

"Spleen Abscess."

Budapest, Magyar Sebeszet, Vol XVI, No 5, Oct 63, pages 298-301.

Abstract: [Author's Hungarian summary] The successful healing, after splenectomy, of an isolated spleen abscess is described in the article, the first such case reported in Hungary. The abscess is thought to have developed after a blunt abdominal injury-caused thrombosis of the vena lienalis and subsequent tissue necrosis. The pathogenesis, various forms of symptoms and the diagnostic problems of spleen abscesses are discussed. The current treatment consists of splenectomy with the use of antibiotics. 5 Eastern European, 14 Western references.

SANDOR, TAMAS

Category : HUNGARY/Nuclear Physics - Cosmic Rays

C-7

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 3284

Author : Sandor, Tamas; Somogyi, Antal

Title : ~~New Data~~ on the Barometric Effect of Extensive Air Showers

Orig Pub : Magyar tud. akad. Kozp. fiz. kutato intez. kozl., 1954, 2, No 2,
165-170

Abstract : Survey article

Card : 1/1

SANDOR, T.

JANUOSI, L.

PHASE I BOOK EXPLOITATION

MM/1911

21(1)

International Conference on Cosmic Radiation. Budapest, 1956.

International Conference on Cosmic Radiation Organized by the Hungarian Academy of Sciences. Budapest, 1957. 187 p.

200 copies printed.

Sponsoring Agency: Magyar Tudományos Akademia

Eds.: B. Penyas, and A. Somogyi

PURPOSE: This report is intended for geophysicists concerned with cosmic radiation.

SCOPE: This report contains the six plenary sessions of the conference. Some of the problems dealt with are: nuclear emulsions, extensive air showers and the physical processes of ray measurements planned for the International Geophysical Year. Most of the reports are collected by references. Soviet scientists in the field of cosmic radiation who attended the conference are: A. A. Andronikashvili, M. A. Dobrotin, I. I. Gurevich, S. I. Nikol'skiy and S. E. Vernov. The articles are written in English, German and Russian without parallel translations.

Card 1/6

MM/1911

International Conference (Cont.)

3. Nikol'skiy, S. I. The Study of Nuclear Active Components of Extensive Atmospheric Showers of Cosmic Rays 50
4. Vernov, S. I., and Zatepin, G. I. Height Dependence and the Problem of the Core of Extensive Atmospheric Showers (not incl.) 57
5. Gurevich, A. I. Gurevich's Radiation of Extensive Atmospheric Showers of Cosmic Rays 63
6. Andronikashvili, A. I., and Vernov, S. E. The Study of the Spatial Dispersion of Penetrating Particles of Extensive Atmospheric Showers

THIRD SESSION

EXTENSIVE AIR SHOWERS

1. Babicki, J. L., Jukiewicz, and J. M. Kaszinski. The Transition from the Electron-Photon Component of Extensive Air Showers in Lead Absorbers of Thicknesses Between 0 and 25 cm. 73
2. Babicki, J. L., Jukiewicz, and J. M. Kaszinski. Investigation of Extensive Air Showers 730 m. Above Sea Level 96

Card 1/6

SANDOR, T.

C-7

HUNGARY/Nuclear Physics - Cosmic Rays

Abs Jour : Ref Zhur - Fizika, No 12, 1958, No 27042

Author : Dohun Istvan, Genesy Tibor, Sandor Tamas, Somogyi Antal

Inst : Not Given

Title : Determination of the Ratio of the Number of Photons to the
Number of Electrons in Extensive Cosmic Showers with the Aid
of a Cloud Chamber.

Orig Pub : Magyar tud. akad. Kozp. fiz. kutato int. kozl., 1957, 5, No 5,
461-468

Abstract : The investigations were carried out with a cloud chamber heving
an effective transverse section of 300 cm^2 , in which seven
plates of lead 33 mm thick each were placed. The chamber re-
gistered an extensive shower. During the interpretation of
the resultant photographs, a count was taken both of the
electrons entering into the chamber and of the electron pairs
produced by the photons in lead. Taking into account the
possible number of photons passing through the chamber with-
out interacting, the ratio of the number of photons to the

Card : 1/2

~~DATA~~ SANDOR, T.

HUNGARY/Nuclear Physics - Cosmic Rays

C-7

Abs Jour : Ref Zhur - Fizika, No 6, 1958, No 12773

Author : Bozoki Gyorgy, Sandor Tamas

Inst : Not Given

Title : Experimental Data on the Study of Unstable Particles of
Cosmic Radiation

Orig Pub : Fiz. szemle, 1957, 7, No 4, 98-110

Abstract : Survey article.

Card : 1/1

19

BOZOKI, Gyorgy; SANDOR, Tamas

Experimental results in the research of the instable particles
of cosmic radiation. Fiz szemle 7 no.4:98-110 Ag '57.

1. Kozponti Fizikai Kutato Intezet Kozmikus Sugarzasi Osztaly.

19
1608 ON THE PHOTON COMPONENT OF EXTENSIVE AIR
SHOWERS. J. Janszky, T. Andor and A. Janszky.
Acta phys. Hungar. Vol. 16, No. 4 (1957).
Extensive air shower measurements carried out simultaneously

with counter batteries of different areas are reported. All the four counter batteries were covered with absorbers of different materials and thicknesses. The spectrum of the effective density (i.e. that of the primaries capable of producing at least one ionizing secondary nucleus of the absorber) turns out to vary with the material and thickness of the absorber. This means that the transition effect appreciably depends on the nature of showers selected with different counter areas.

~~RMF~~ ^{A.} any

SANDOR, T.

Distr: 4E3c 2 Cys/4E3d

7. Investigation of Extensive Air Showers Containing Nuclear Active Particles.

Gy. Bozoki, E. Fenyves, T. Sandor, A. Somogyi. A Magyar Tudomanyos Akademia

Fizikai Kutato Intezetének Közleményei (Proceedings of the Central Research

Institute for Physics of the Hungarian Academy of Sciences), Vol. 6, 1958, No. 1-2, pp. 36-48, 4 figs., 4 tabs.

The exponent of the density spectrum of the electronic component of extensive air showers containing nuclear active particles was determined to be $\gamma = 1.43 \pm 0.08$ assuming that the density of the nuclear active particles is proportional to the density of the electrons in air showers. The agreement of the exponent found in the present experiment with that determined earlier for extensive air showers ($\gamma = 1.43 \pm 0.22$) with the same arrangement, which however consisted only of the electron detectors, supports the above assumption. From this follows that the density spectrum of nuclear active particles has the form of a power law with an exponent approximately equalling γ . Furthermore, the decoherence curve between the electron and nuclear active particle detectors was measured.

(Retyped clipped abstract)

JW
Card 1/1

Rml

HUNGARY/Nuclear Physics - Cosmic Rays.

C

Abs Jour : Ref Zhur Fizika, No 9, 1959, 19898

Author : Sandor, Tamas; Somogyi, Antal; Telbisz, Forenc

Inst : -

Title : Semi-Cubic Telescope of Counters for the Measurement of the Variation of the Intensity of Cosmic Radiation Underground in Accordance with the Program of the International Geophysical Year (Preliminary Results)

Orig Pub : Magyar tud. akad. Kozp. fiz. kutato, int. kozl., 1958, 6, No 3, 117-128, III - IV

Abstract : During the International Geophysical Year, the authors have carried out the registration of the variations of the intensity of cosmic radiation at a depth of approximately 40 meters water equivalent. For this purpose use was made of two identical semi-cubic telescopes operating independently of each other. On the basis of 18.5×10^6 coincidence events, registered from 20

Card 1/2

HUNGARY/Nuclear Physics. - Cosmic Rays.

C

Abs Jour : Ref Zhur Fizika, No 9, 1959, 19896

Author : Sandor, Tamas; Somogyi, Antal; Telbisz, Ferenc

Inst : "

Title : Registration of the Intensity of Cosmic Radiation at a
Depth of 7.9 Meters Underground

Orig Pub : Magyar fiz. folyoirat, 1958, 6, No 4, 295-305

Abstract : No abstract.

Card 1/1

- 19 -

SANDOR, I.

Further investigation of extensive air showers containing nuclear charged particles. György Boróki, Brúla Penyves, Tamás Sándor, and Antal Somogyi. *Magyar Tudományok Akad. Közleményei, Fiz. Kulcsa Intézetek Közleményei* 6, 433-8(1958).--Exptl. arrangements described here are identical with those described previously (C.A. 53, 6819). Measurements were extended to the use of thicker absorbers, 40, 60, 80 cm. The d. spectrum of the electron component and the incoherency curve of the nuclei of the shower were found to be independent of the thickness of the Pb absorbers. B. Rossi

Card 1/1

aht

END

T. SANDOR

Distr: hE3c/hE3d

✓ Investigation of extensive air showers containing nuclear active particles. G. Bozoki, E. Penyves, T. Sandor, and A. Somogyi (Central Research Inst. Phys., Budapest, Hung.). *Nuclear Phys.* 7, 877-88 (1958).—The exponent of the d. spectrum of the electronic component of extensive air showers contg. nuclear active particles was detd. to be $\gamma = 1.34 \pm 0.08$, by assuming that the d. of nuclear active particles is proportional to the d. of electrons in air showers. Norman E. Pickering

mm
11

6
2

part

HUNGARY/Nuclear Physics - Cosmic Rays.

C

Abs Jour : Ref Zhur Fizika, No 9, 1959, 19886

Author : Dohan, I., Gemesy, T., Sandor, T., Somogyi, A.

Inst : Central Research Institute for Physics, Budapest, Hungary

Title : Determination of the Ratio of the Number of Photons and Electrons in Extensive Atmospheric Showers of Cosmic Radiation with the Aid of a Cloud Chamber.

Orig Pub : Acta phys. Acad. scient. hung., 1958, 9, No 1-2, 97-103

Abstract : Seven plates of lead with a total thickness of 33 mm were placed in a cloud chamber having an effective area of 300 cm². The chamber was controlled by means of apparatus for extensive atmospheric showers. The primary electrons and the electron-positron pairs were counted. Taking into account the correction necessitated by the penetrating photons, the authors have obtained the ratio of the

Card 1/2

- 16 -

3. 2410 (2205, 2705, 2805)

31525
S/627/60/002/000/007/027
D299/D304

AUTHORS: Gemezi, T., Shandor, T., and Shomogi, A.

TITLE: Study of extensive air showers by means of a cloud chamber

SOURCE: International Conference on Cosmic Radiation. Moscow, 1959. Trudy. v. 2. Shirokiye atmosferye livni i kaskadnyye protsessy, 113-116

TEXT: A Wilson cloud chamber is used for verifying the results obtained by means of Geiger counters, and for an exact determination of the ratio of photons to electrons in extensive showers. A cylindrical cloud chamber was placed at the center of a square, at whose corners 4 Geiger counters were set up. Some provisional results were published by the authors earlier (in 1958). About 9000 photos were taken, at a rate of approximately 2.7 photos per hour; half of these photos were already processed. The ratio of photons to electrons was found to be $\alpha = 1.13 \pm 0.03$. There was good agreement between the experimental values and the theoretical values

Card 1/3

Study of extensive air ...

31525
S/627/60/002/000/007/027
D299/D304

based on cascade shower theory. The authors did not observe any substantial dependence of the photon-electron ratio on shower density, for a density range of 30 to 200 particles/m². The transition effect was investigated by two methods. The transition curve obtained by the cloud chamber had no maximum, whereas the curves obtained by means of the Geiger counters had a noticeable maximum at approximately 7 mm. lead. There is no final explanation to this contradiction as yet. It may be due to the different experimental conditions, existing in the cloud chamber and the Geiger counters, respectively. The authors started recently a new series of measurements in order to verify this assumption. Another explanation could be the presence of low-energy electrons, recorded by the cloud chamber but not by the Geiger counters. This explanation is, however, not fully satisfactory. There are 3 figures, 1 table and 3 non-Soviet-bloc references. The references to the English-language publications read as follows: L. Jánosy, T. Sándor and A. Sömogyi. Acta Phys. Hung., 6, 455, 1957; A. Somogyi. Ibid., 7, 189, 1957; I. Dohán, T. Gémesy, T. Sándor and A. Somogyi. Ibid., 9, 97, 1958.

Card 2/3

Study of extensive air ...

31525
S/627/60/002/000/007/027
D299/D304

ASSOCIATION: Tsentral'nyy issledovatel'skiy institut fiziki Vengerskoy Akademii nauk (Central Research Institute of Physics Hungarian Academy of Sciences, Budapest)

Card 3/3

SANDOR, T.

PHASE I BOOK EXPLOITATION

SOV/4152

International Cosmic Ray Conference. Moscow, 1959.

Proceedings. v. IV: Variations of Cosmic Ray Intensity. Moscow, 1960.
365 p. Errata slip inserted. No. of copies printed not given.

Sponsoring Agency: International Union of Pure and Applied Physics. Cosmic Ray Commission.

Ed.: L.I. Dorman; Assistant Ed.: V.F. Tulinov; Editorial Board: G.E. Zhdanov (Ed.-in-Chief), I.P. Ivanenko (Assistant-Ed.-in-Chief), N.M. Gerasimova, A.I. Nikishov, V.I. Zatsepin, B.A. Khrenov, L.I. Dorman, V.F. Tulinov, S.I. Syrovatskiy, V.M. Fedorov, Yu.N. Vavilov, and A.T. Abrosimov.

PURPOSE: This book is intended for physicists, astrophysicists, and other scientists engaged in the study of cosmic rays.

COVERAGE: This is the fourth volume of a 4-volume work containing papers delivered at the Moscow Cosmic Ray Conference held on July 6-11, 1959. This volume contains 54 reports by Western and Soviet scientists on problems dealing with variations of cosmic ray intensity. Only the reports delivered by Soviet and Gard 1/22 *Hungarian Scientists are abstracted.*

Variations of Cosmic Ray Intensity

SOV/4152

II. METEOROLOGICAL EFFECTS OF COSMIC RADIATION AND COUPLING COEFFICIENTS

2. Dorman, L.I. On the Question of a Unified Procedure for Introducing Corrections for Meteorological Effects Into Data Obtained by Means of Meson Telescopes and Ionization Chambers

21-24

The author discusses the suggestions made by N. Parsons (Private communication), Lockwood, and Calawa (J. of Atm. and Terr. Phys., II, 23, 1957) regarding the procedure of introducing corrections to the barometer effect. He also analyzes the empirical and integral method currently used for introducing corrections to the temperature effect, and concludes that the integral method can serve as the basis for a unified procedure of calculating meteorological corrections.

4. Sandor, T., A. Somogyi, and F. Telbisz (Central Research Institute of Physics of the Hungarian Academy of Sciences, Budapest). Atmospheric Coefficients and Solar Daily Variation of the Cosmic Radiation Measured 18 m Underground

30-34

Card 3/22

Variations of Cosmic Ray Intensity

80V/4152

The authors evaluate the data on intensity variation of cosmic radiation for the period of March 1958 through March 1959. The station is situated in Budapest and has been operating since February 20, 1958.

5. Glokova, E. (Ye) S. Annual Variations of Cosmic Ray Intensity, and Temperature Corrections

35-36

The author examines the variations in mean monthly values of cosmic ray intensity in Moscow (1953-1957), Yakutsk (1953-1957), and Cheltenham (1942-1946). She determines that after the introduction of temperature corrections, calculated by the Dorman method, a regular seasonal wave with a summer maximum arises in Moscow and Yakutsk and no significant reverse wave in Cheltenham. She concludes that the reverse seasonal wave noticeable only at stations with large annual temperature variations is due to inaccurate utilization of the temperature coefficients in the calculation.

Card 4/22

GEMESY, Tibor; SANDOR, Tomas; SOMOGYI, Antal

Investigation of the extensive air showers of cosmic radiation by the
Wilson chamber. Koz fiz kozl MTA 8 no.1:3-6 '60. (KRAI 10:1)

1. Kozmikus Sugarzasi Laboratorium, a Magyar Tudomanyos Akademia
Kozponti Fizikai Kutato Intezete.
(Cosmic rays) (Cloud chamber)

SANDOR T.

FEN'VESH, E.; GEMESHI, T.; NEMET, F.; SHANDOR, T.; GASYOROVSKI, L.;
STARZHINSKI, A.

Semiautomatic measuring instrument for processing pictures obtained
in the bubble chamber and the Wilson chamber. Prib. i tekh. eksp.
6 no.2:68-72 Mr-Ap '61. (MIRA 14:9)

1. Tsentral'nyy issledovatel'skiy institut fiziki, Budapesht (for
Fen'vesh, Gemeshi, Nemet, Shandor). 2. Institut yadernykh
issledovaniy, Varshava (for Gasyorovski, Starzhinski).
(Photography, Particle track)

SANDOR, Tamas; SOMOGYI, Antal; TELEISZ, Ferenc

Investigation of extended air showers in 40 m. water-equivalent
depth. Magy fiz folyoir 9 no.1:51-60 '61. (EEAI 10:6)

1. Kozponti Fizikai Kutato Intezet, Kozmikus Sugarzasi Laboratorium.
(Cosmic rays)

27181 S/056/61/041/002/002/028
B102/B205

3.2410

AUTHORS: Sándor, T., Somogyi, A., Telbisz, F.

TITLE: The muon energy spectrum in extensive atmospheric showers

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 41,
no. 2(8), 1961, 334 - 336

TEXT: The authors report on experimental investigations of the muon energy spectrum in extensive atmospheric showers, which were started in 1960. The experiments were performed at a depth of 40 m water equivalent (18 m of soil plus 15 cm of lead) and also on sea level, using the experimental arrangement shown in Fig.1. Fig.1b indicates that the blocks S, S₁, and S₂ were equipped with a double layer of 30 counters each.

Sixfold coincidences were recorded. From a total of 1464 recorded showers, the count rate was calculated to be

$$C_6 = 1.93 \pm 0.05 \text{ hr}^{-1}$$

Card 1/3

27181

S/056/61/041/002/002/028
B102/B205

The muon energy spectrum...

This result was compared with the count rate of a fourfold coincidence (Fig.2) on sea level under 20-cm layer of lead ($C_4 = 0.29 \pm 0.01 \text{ hr}^{-1}$).

This was done to obtain data on the muon energy spectrum. Conclusions: The shower intensity on the surface under a 20-cm layer of lead was higher by a factor of (4.1 ± 1.1) than it was at a depth of 40 m water equivalent. Denoting the mean muon density on the surface under a 20-cm layer of lead by x , and that a depth of 40 m water equivalent by px , one obtains

$$\frac{C}{C_4} = \frac{\int_0^{\infty} (1 - e^{-Sx})^p x^{-\gamma_1-1} dx}{\int_0^{\infty} (1 - e^{-Spx})^p x^{-\gamma_2-1} dx}, \quad (1)$$

where $S = 1.44 \text{ m}^2$; γ_1 and γ_2 are the exponents of the muon density spectrum; $\gamma_1 = 1.89 \pm 0.17$, $\gamma_2 = 2.2 \pm 0.2$; $p = 0.47 \pm 0.07$. This means that at a depth of 40 m water equivalent, the muon flux density will be

Card 2/3

27101

The muon energy spectrum...

S/056/61/041/002/002/028
B102/B205

about half as high as on the surface under a 20-cm layer of lead. For the muons one finds $F(\geq E) E^{-\alpha}$, where $\alpha = 0.46 \pm 0.09$. There are 2 figures, 1 table, and 7 references: 6 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy fiziki Akademii nauk Vengerskoy NR, Budapesht (Central Scientific Research Institute of Physics of the Academy of Sciences of the Hungarian People's Republic, Budapest)

SUBMITTED: February 21, 1961 (initially), May 19, 1961 (after revision)

Card 3/3

SANDOR, T.; SOMOGYI, A.

Density spectrum of extensive air showers measured under moderate and large thicknesses of lead. Act phys Hung 14 no.1:39-44 '62.

1. Central Research Institute of Physics of the Hungarian Academy of Sciences, Laboratory for Cosmic Rays, Budapest. Presented by Lajos Janossy.

MARTON, Tibor, dr.; SANDOR, Tamas, dr.; IZINGER, Endre, dr.

Treatment of thrombophlebitis using intracutaneous heparin injection. Orv. hetil. 106 no.32:1505-1508 8 Ag'65.

1. Kozponti Allami Korhaz, Sebeszeti Osztaly (foorvos: Marton, Tibor, dr.).

Surgery

HUNGARY

SANDOR, Tamas, Dr; Central State Hospital, Surgical Ward (chief physician:
MARTON, Tibor, Dr) (Kozponti Allami Korhaz, Sebeszeti Osztaly).

"Ileus Caused by Orange Sections."

Budapest, Orvosi Hetilap, Vol 107, No 47, 20 Nov 66, pages 2237-2238.

Abstract: [Author's Hungarian summary modified] In patients who underwent gastric resection, ileus of the small intestine, caused by orange sections, developed in numerous cases during the past 15 years. Because of the loss of pyloric function, fruit sections with a high fiber content reach the small intestines rapidly where they may swell and become embedded, mostly in the distal loop of the ileum. In a 65 year old woman with bad teeth and a history of Bilroth II-Finsterer type of gastric resection 14 years ago, followed by persisting symptoms of dumping, ileus was caused by a hastily consumed orange. Following the removal of 7 nearly intact orange sections through an enterotomic opening, the patient recovered. Patients who undergo gastric resection must be warned to carefully masticate fruit with a high fiber content, to keep their teeth in good working condition and to eat slowly, leisurely. 2 Hungarian, 38 Western references.

VACZY, L.; KUBINYI, J.; SCIPIADES, E.; SANDOR, T.

Experimental researches concerning the effect of endocrines on the endometrium-stroma. Acta med. hung. 3 no.1:53-61 1952. (CML 23:4)

1. Of the Second Department of Obstetrics and Gynecology of Budapest University.

SANDOR, I

FERKO, S.; KERTESZ, I.; SANDOR, T.

Complete local anesthesia in labor. Magyar. noorv. lap. 15 no. 11:
321-323 Nov 1952. (GLML 23:5)

1. Doctors. 2. Second Women's Clinic (Director -- Prof. Dr. Imre
Zoltan), Budapest Medical University.

Sandor, T.

VACZY, I.; SANDOR, T.; GEDEON, G.

Study of blood circulation velocity in gynecological surgery. *Magy. noorv.*
lap. 16 no. 1-2:23-31 Jan 1953. (GLML 24:1)

1. Doctors. 2. Second Women's Clinic (Director -- Prof. Dr. Imre Zoltan),
Budapest Medical University.

SANDOR, Tibor.

VACZY, Laszlo, dr.; SANDOR, Tibor, dr.; JUROS, Dezso, dr.

Histochemical studies of the estrus cycle. *Magy. noorv. lap.* 17
no.3:130-136 May 54.

1. A Budapesti Orvostudományi Egyetem II. sz. női klinikájának
közleménye (Igazgató: Zoltan Imre dr., egyet. tannár)
(ESTRUS CYCLE,
vaginal histochem. changes in)
(VAGINA, metabolism,
in estrus cycle)

Sandor, Tibor

VACEY, Lasso, dr.; MEHES, Gyorgy, dr.; SANDOR, Tibor, dr.

Effect of estrogens, of male sex hormones, and of castration
on the development of tumors. *Magy. noorv. lap.* 17 no.4:205-209
July 54.

1. Budapesti Orvostudományi Egyetem II. sz. női klinikájának
közleménye (Igazgató: Zoltan Imre dr. egyetemi tanár)

(ESTROGENS, effects,
on carcinogenesis)

(CASTRATION, effects,
on carcinogenesis)

(ANDROGENS, effects,
on carcinogenesis)

(NEOPLASMS, experimental,
carcinogenesis, eff. of androgens, estrogens & castration)

SANDOR, T.

✓ The tumorigenic effect of estrogens, testosterone, and castration. L. Várzy, Gy. Mészáros, and T. Sandor (Univ. Budapest). *Acta Morphol. Acad. Sci. Hungar.* 3:393-394 (1955) (In English).—The carcinogenic action of diethylstilbestrol in mice was increased by treatment with estrogen or castration of female animals. Testosterone or castration of male animals had no influence on the carcinogenic action.

—B. Lustig

Sándor, T.

✓ 1542. Histochemical study of the (vaginal) oestrous cycle in mice.
L. Vácz, T. Sándor and D. Juhos *Acta endocr., Kda.* 1955, 18, 87-
98 (Aus der II. Frauenklinik der Medizinischen Univ., Budapest).
There was no staining with the McManus-Hotchkiss procedure at
any stage of the cycle. Alkaline phosphatase activity (Gomori
stain) was maximal in pro-oestrus suggesting that this is the stage of
maximal oestrogenic action. (German) P. C. WILLIAMS.

3

ZOLTAN, Imre, dr.,; VACZY, Laszlo, dr.,; MOLNAR, Resso, dr.,; SANDOR,
Tibor, dr.,; MEHES, Gyorgy, dr.

Our results in the therapy of cancer of the uterine cervix, and
theoretical problems of the therapy. *Magy noorv. lap.* 19 no.1:
1-15 Jan 56

1. A Budapesti Orvostudományi Egyetem. II. sz. női klinikájának
közleménye (Igazgató: Zoltan Imre dr., Egyetemi tanár)
(CERVIX, UTERINE, neoplasms
ther., follow-up & surg. problems (Hun))

SANDOR, T.

ZOLTAN, I.; VACZY, L.; MOLNAR, R.; SANDOR, T.; MEHES, Gy.

Results in therapy of portio carcinoma, and basic problems of therapy. Acta med. hung. 10 no.3:217-232 1957.

1. II. Frauenklinik der Medizinischen Universität, Budapest.
(CERVIX NEOPLASMS, ther.
radiother. & surg. in carcinoma of portio vaginalis
(Ger))
(RADIOTHERAPY, in various dis.
cancer of portio vaginalis of uterine cervix (Ger))

HUNGARY

FORGACS, Jozsef, Dr., RAGALYI, Geza, Dr., SANDOR, Tibor, Dr., and ZEFFER, Jenő, Dr., Tetenyi Road Hospital, Obstetrical and Gynecological Department (Tetenyi Uti Korhaz Szulo es Nobeteg Osztaly), and Szovetseg Street Hospital, Obstetrical-Gynecological and X-ray Department (Szovetseg Utcai Korhaz Szulo-Nobeteg es Rontgen Osztaly), both operated by the Capital Council (Fovarosi Tanacs) in Budapest.

"The Significance of Chromocystoscopy and Secretion Urography in the Preparation of Gynecological Patients for Surgery"

Budapest, Orvosi Hetilap, Vol 107, No 24, 12 Jun 1966, pp 1115-1117.

Abstract: The authors conducted chromocystoscopy and secretion urography in 281 patients prior to elective gynecological surgery. In 6% of the cases the findings contributed to better determination of the surgical procedure to be employed and to better understanding of the patient's recovery course. Thus, chromocystoscopy should be considered a routine operation prior to gynecological surgery and secretion urography should be performed in selected cases prior to gynecological surgery. 8 references, including 1 Hungarian and 7 Western.

1/1

- 48 -

GARD, Sándor; GERGELY, János; FARKAS, Karoly; DEVENYI, Tibor; KOCSAR, László;
JAKAB, Lajos; SZEKELY, Judit; SANDOR, Virag

Studies on changes in tissue and plasma mucopolysaccharides in
animals fed cholesterol. Orv. hetil. 103 no.22:1015-1018 3 Je '62.

1. Budapesti Orvostudományi Egyetem, III. Belklinika, Országos Reuma-
és Furdógyi Intézet, Prosectura.
(CHOLESTEROL nutrition & diets) (MUCOPOLYSACCHARIDES metab)

1ST AND 2ND ORDERS												PROCESSES AND PROPERTIES INDEX												14TH AND 17TH ORDERS											
COMMON ELEMENTS												COMMON VARIABLE INDEX																							
OPEN												CLOSED																							
MATERIALS INDEX												E-2																							
AS 6. SLA METALLURGICAL LITERATURE CLASSIFICATION												E-2																							
123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100												123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100																							
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ca

12

Examination of some Hungarian onions. A modified method for the determination of crude fiber. Zoltán Sándor. *Mangóvárosi Kutatók* 6, 274-83(1933).--

The contents of moisture, matter extractable with cold water, with ether and with petr. ether, total N, crude and pure proteins, sugars, crude fiber, N-free ext., ash and HCl-insol. ash were detd. in several samples of Hungarian *Allium schoenoprasum*, *A. cepa*, *A. sativum* var. *vulgare*, *Raphanus sativus* var. *radicula* and *Cochlearia armoracia*. For the detn. of crude fiber, the method of Weender was modified by substituting for filtration centrifuging, for 10 min. at 3000 r. p. m., adding alkali and filtering through a previously dried and weighed paper. The ignited and weighed filter gives the content of crude fiber. The modification cannot be used for flour since the colloidal flour suspension cannot be sepl. by centrifuging at 3000 r. p. m. S. S. de Finlay

Ca

Food values and contents of vitamin C of Hungarian, Holland and Spanish onions. Zoltán Sándor, *Ártisz* 7, 130-6 (1931).--Hungarian, Holland and Spanish onions (*Allium cepa* var.) contained, resp. water sol., 90 and 93, pure protein 0.86, 0.85 and 0.53% allyl-sulfide 0.006, 0.013 and 0.031%. The caloric values were 343, 235 and 181 cal., resp. The contents of vitamin C det. by the Tillmans method (with 2,6-dichlorophenol-indophenol) per. 100 g. onions were 4.70, 2.02 and 5.20 mg., resp. S. S. de Pindly

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

GROUP	CLASS	SUBCLASS	DETAILS
1	1	1	1
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LIST AND INDEX																										PROCESSAL AND PROPERTY INDEX																										LIST AND INDEX																									
<i>ca</i> <i>117</i> Sodium content of the milk of various mammals. Mihály Vuk and Zoltán Sándor. <i>Műszaki és Kémiai Kutatások</i> 10, 203-7 (1937).—Reichard's method (C. A. 31, 1940) for Na in wine was modified for use in milk analysis. Cow milk contained 0.281-308 (av. 0.296), sheep milk 0.347-435 (av. 0.398), goat milk 0.241-277 (av. 250) and human milk 0.0023-0.085 (av. 0.0332) g. Na per l. curds obtained from a milk sample contg. 0.308 g. Na per l. contained 0.022 and the whey 0.284 g. Na. S. S. de Finaiv																																																																													
ASAC: 1111 METALLURGICAL LITERATURE CLASSIFICATION																																																																													

COMMON ELEMENTS										COMMON VARIABLE INDEX									
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESS AND PROPERTIES INDEX																			
12																			
C/A																			
<i>Determination of artificial coloring in foods by electrocataphoresis. Zoltán Sándor. Mészárosi Katalin</i> 13, 245-66(1940).—A simple electrophoresis app. consists of 3 beakers and 2 inverted U-tubes filled with water and closed with a gelatin. The sample is placed in the center beaker and a potential of 110 v. applied to the system for 24-48 hrs. Auramin G, Thioflavin T, Aurantia, Martius Yellow, Flavazin L, Phosphine, Tannin Orange R, Safranin T Extra, Chrysoidin A, Eosin Extra AG, Water Blue 6 B Extra and malachite green were deposited on the negative electrode. Methylene Yellow Extra, Auramin O, Litochrysin 000 Nr. 1, acid fuchsin, Phloxin O, Erythrosin J, Ponceau R, New Coccin, Amaranth O, Roccellin, Bismarck B Extra, aniline blue, Indulin B, indigo carmine, Mizarin Blue S, methyl violet B and Light Green SF were found on the positive electrode. No definite connection was established among chem. comp., structure, quality of the chromophore group and the direction of cataphoresis. The methods seems reliable for the investigation of foods. S. S. A. Finally																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
SIGNATURE																			
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COMMON ELEMENTS										COMMON VARIABLES INDEX									
CA Method and apparatus for the aging of alcoholic liquors. Zoltán Sándor and János Fuhrrer. Hung. 127,634, Aug. 1, 1941. The alc. liquor is treated with 120-190-v. a. c. and oxygen (or air) under continual mixing. The electrodes are the stirrers. The aldehyde content of the liquor is thus quickly diminished and the ester no. increased.										18									
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION										RESEARCH CENTER									
RESEARCH CENTER										RESEARCH CENTER									

SANDOR, Z.; NAGY, S.

"Separating and Cleaning Starch With A Hydrocyclone", P. 243, (ELEMZESI
IPAR, Vol. 8, No. 8, Aug. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

Preparation of chemically pure zein. Z. Sandor and
A. Aszaiós. Magyar Kémiai Folyóirat 60, 143 (1954).
Hung. Tech. Abstr. 7, No. 1, 71 (1955). Zein was exd.
with 70% alc. from dehydrated gluten maid produced in
corn-tarch factories. The EtOH soln. resulting from the
batchwise extn. procedure at 60° was filtered after cooling
below 15° and the contaminants were exd. with hexane. Zein
was optd. from this EtOH soln. with water at pH 2, and
the substance obtained was dried in vacuo for 4-5 hrs.
Zein thus produced is sol. in cold EtOH, and its ash content
is 0.1%. Its mol. wt. established by ultracentrifuging is
20,000-22,000 and the length is 1.5-1.6 μ (calcd.)

15. The diffusion const. of the sample was 1.5
10⁻¹⁰ sq. cm./sec. K. H. V.

~~Zoltan~~ SANDOR, Zoltan
HUNGARY / Chemical Technology, Chemical Products and Their Application. Part 3 - Food Industry. H -27

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12892.

Author : Zoltan Sander.

Inst : Not given

Title : Rapid Method of Water Determination in Dairy Products with Fischer's K Reagent.

Orig Pub : Elelm. ipar, 1956, 10, No 10-12, 292 - 297.

Abstract : 5 mlit of absolute alcohol is added to a sample of 0.2 to 0.4 g, shaken 1.5 min, after which 5 mlit of xylene is added and titrated with Fischer's reagent. The determination duration is 5 to 6 min., the results agree with data obtained by drying 5 hours at 105°. This method is applicable to the moisture determination in cheese, butter and dried milk.

Card 1/1

SANDOR, Zoltanne

Critical appraisal of methods for measuring the degree of moisture in foods. Elelm ipar 13 no.1:1-6 Ja '59.

1. Konzerv- es Hutoipari Kutato Intezet, Budapest.

SANDOR, Z.

TECHNOLOGY

Periodical: ~~ELEMBEZSI~~ IPAR Vol. 13, no. 1, Jan. 1959

SANDOR, Z. Critical investigation of the methods for determination of moisture in foodstuffs. p. 1.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 5,
May 1959, Unclass.

SANDOR, Zoltanne

About what do foreign periodicals write? Konzerv paprika no.6:
3 of cover N-D '62.

SANDOR, Zoltanne, dr.

What are the topics of foreign professional periodicals?
Konzerv paprika no.1:33-36 Ja-F '63.

SANDOR, Zoltanne, dr.

What are the topics of foreign professional periodicals?
Konzerv paprika no.2:67-68 Mr-Apr '63.

SANDOR, Zoltanne; SZENES, Endrene

What are the topics of foreign periodicals? Konzerv paprika
no.4:148 J1-Ag '63.

1. Konzerv- es Paprikaipari Kutato Intezet. 2. "Konzerv- es
Paprikaipar" foszerkesztoje (for Szenes).

SANDOR, Zoltanne, dr.; SZENES, Endrene

What do foreign periodicals deal with? Konzerv paprika no.5:
172-3 of cover S-0'63.

1. Konzerv es Paprikaipari Kutato Intezet. 2. "Konzerv - es
Paprikaipar" foszerkesztoje (for Szenes).

KISZEL, Jozsefne; SANDOR, Zoltanne

Fiber content of fruit juices. Konzerv paprika no.4:135 J1-Ag '62.

1. Konzerv- es Paprikaipari Kutato Intezet.

SANDOR, Zoltanne

Topics of foreign professional periodicals. Konzerv paprika no.4:137-139 J1 Ag '62.

1. Konzerv- es Paprikaipari Kutato Intezet.

SZABO, Gyorgy; SANDOR, Zsigmond; KASI, Gyula

Comparative studies on Mantoux test with lyophilized purified tuberculin and Toenissen's Tebeprotin. Szemeszet 99 no.1:34-38 Mr '62.

1. Makoi Varosi Tanacs Korhaza (Igazgato-foorvos: Toth J. Janos) Szemosztalyanak (Foorvos: Szabo Gyorgy) es Tudosztalyanak (Foorvos: Sandor Zsigmond) kozlemenye.

(TUBERCULIN REACTION)

SANDORA, Jozef, inz.; STERUSKY, Jan; GASPAREK, Jozef, inz.

Single-purpose machines are an effective help in production. Stroj
vyr 12 no.8:552-555 '64.

1. Strojarske a metalurgicke zavody National Enterprise, Dubnica
nad Vahom.

SANDURA, Jozef, inz.

Copying of hyperboloidal holes. Stroj vyz 12 no.8:581 '64.

1. Strojarske a metalurgicke zavody National Enterprise,
Dubnica nad Vahom.

SANDOR NEUBERGER, V.

3

✓ 5276. CLASSIFICATION OF COALS OF MEXICAN MOUNTAINS AND STUDY OF THEIR
ORIGIN ON THE BASIS OF DENSITY. Neuberg, L. Sandor. Neuberg, V. and Rosa, V.
Mag. Al. Foldtani Int. En. (Hung. Nat. Geol. Inst. Ann.), 1956, vol. 45,
259-273; abstr. in Chem. Abstr., 1957, vol. 51, 10324i. The density of the
... correlated with the degree of contact metamorphism.
C.A.

C.M. SANDOR-SZABOLCS, Emma

19

The determination of acetylsalicylic acid and sodium-bi-carbonate in combined drugs, in the presence of each other.
Emma Sandor-Szabolcs, (State Hyg. Inst., Budapest, Hungary). *Acta Pharm. Hung.* 23, 20-1 (1949).—Add as much substance to a separatory funnel as needed to neutralize 5-6 ml. 0.1 N aq. l. remove CO₂ by addn. of 10 ml. 0.1 N HCl, and ext. 3 times with 15-ml. portions of Et₂O to remove acetylsalicylic acid. Then pour out the aq. phase, leach Et₂O exts. 8 times with 2 ml. water, evap. on water bath, cool, titrate in the presence of phenolphthalein with 0.1 N NaOH, and compare result with titration data of original sample to obtain content of NaHCO₃. Alkalize the Et₂O phase in the presence of litmus paper, distill, evap. Et₂O on water bath, boil, det. acetylsalicylic acid by bromometry according to Koppeschaar. Alkaloidal salts, Sb₂S₃, phenylquinolinecarbonic acid or its Me ester, and sucrose did not disturb the detn.
Lévyán Fényi

SANDORA, Jozef., inz.

Machining of internal spherical surfaces. Stroj vyr 12 no.2:122 '64.

1. Strojarske a metalurgicke zavody, n.p., Dubnica nad Vahom.

SANDORA, Jozef, inz.

Examples of the use of tools with rotary tips. Stroj
vyr 12 no.1:52 Ja'64.

1. Strojarske a metalurgicke zavody, n.p., Dubnica nad
Vahom.

SANDORFI, I.

PALYI, Marton, dr.; SANDORFI, Istvan, dr.; TOTH, Jeno, dr.; VOJNICH, Eva, dr.

Efforts to enforce health protective measurements in vocational schools. Nepegeszsegugy 37 no.8:218-220 Aug 56.

1. A Fovarosi iskolarovosi szolgalat kereteben az ipari tamlok ellatasara szakositott iskolorvosok munkakozossegenek kozlemenye.

(SCHOOLS

vocational, in Hungary, health protective measurements (Hun))

CA SANDORFY, C.

The analytical methods of absorption bands. Arpad Kise and C. Sandorfy. *Arch. Univ. Szeged., Chem. et Phys.* 9, 71-8 (1948) (in French).—Various methods are discussed critically and their suitability is analyzed on the basis of examples of extinction curves of benzalaniline, BaH , PhNH_2 , sulkyaldehyde-*o*-phenylenediamine-Ni, $[\text{Co}(\text{NH}_3)_6]^{3+}$, *cis*- $[\text{Co}(\text{SCN})(\text{NH}_3)_2\text{-ethylenediamine}]^{2+}$. 10 references. István Finkly

SANDORSKI, Jan

BORISOV, M. I., RUTTER, YE. G., SANDOV, I. I.

Metal Castings

Abrasive polishing of flanges on castings.
Lit. proizv., No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED.

MRKOS, Dusan, MUDr; SANDOVA, Miluse MUDr.

Experiences with peroral therapy of vitamin B₁₂ combination and intrinsic factor in pernicious anemia. Vnitr.lek., Brno 1 no.8: 624-630 Aug '55.

1. Z I. vnitřní kliniky MU v Brně, přednosta prof. MUDr. Miloš Stejfa.

(ANEMIA, PERNICIOUS, therapy

vitamin B₁₂, peroral admin, with intrinsic factor, evaluation)

(VITAMIN B₁₂, therapeutic use

anemia, pernicious, peroral admin. with intrinsic factor, evaluation)

SANDOVICH, S. P.

SANDOVICH, S. P. "Quarantined Weeds and Diseases of Agricultural Crops," in Kholkhoznaia Proizvodstvennaia Entsiklopediia, State Publishers of Agricultural Literature, Moscow, vol. 1, 1949, pp. 299-302. 30.1 K83

So: Sira - Si - 90 - 53, 15 December 1953

SANDOVICH, S.P.

Protecting vineyards against Phylloxera in the Ukraine. Zashch.rast.
ot vred. 1 bol. 4 no.4:42-43 J1-Ag *59.

(MIRA 16:5)

1. Glavnyy agronom Gosudarstvennoy inspeksii po karantinu rasteniy
po UkrSSR.

(Ukraine-Phylloxera-Extermination)

SANEOVICI, Profira

Surfaces with dimensions from an Euclidean space with the
normal unidimensional first space. Studia Univ B-B S. Math-
Phys 10 no.1:23-30 '65.

SANDOVICI, S.

TECHNOLOGY

Periodicals: CELULOZA SI HIRTIE. Vol. 7, no. 6, June 1958

SANDOVICI, S. Vehicles for the Danube River delta. p. 233.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

SANDOVICI, S., ing.

Considerations on the depositing of straw in pulp mills.
Cel hirtie 10 no.5:156-160 My'61

SANDOVSKAYA, L. I. (Vet.); PODGORODETSKIY, N. P.; DOROSHIKO, I. N.

"Smallpox diptheria of turkeys."

SO: Vet. 27 (11) 1950, p. 25

SANDOVSKIY, O.Ya.

Allergic medical bullous dermatitis. Probl.tub. 37 no.7:95-96 '59.
(MIRA 13:4)

1. Iz mediko-sanitarnoy chasti Dinasovogo zavoda v Pervoural'ske
(glavnyy vrach A.P. Voronova).

(ISONIAZID related cpds.)

(AMINOPYRINE toxicol.)

(DERMATITIS MEDICAMENTOSA case reports)

SANDOWICZ, Michal, mgr inz.

Realization of industrial reticulated ferroconcrete constructions
in the U.S.S.R. Inz i bud 20 no.8/9:303-308 Ag-S '63.

1. Politechnika, Warszawa.

SANDRAK, N.A.

Specificity of the effect of "extracellular factor" on the
atmospheric nitrogen fixation by Azotobacter. Mikrobiologiya
34 no.5:768-772 S-O '65. (MIRA 18:10)

1. Moldavskiy nauchno-issledovatel'skiy institut selektsii,
semenovodstva i agrotekhniki, Bel'tsy.

SANDRAK, N. A.: Master Biol Sci (diss) -- "The chemical composition of extracellular nitrogen secretions of azotobacter and their accessibility as a source of nitrogen for microorganisms and higher plants". Moscow, 1959. 22 pp (Moscow Order of Lenin Agric Acad Im K. A. Timiryazev), 110 copies (KL, No 14, 1959, 119)

SANDRAK, N.A., aspirant

Chemical composition of nitrogenous secretions of azotobacter
and their availability to micro-organisms and higher plants.

Izv. TSKhA no. 3: 81-94 '59.

(MIRA 12:10)

(Azotobacter) (Nitrogen--Fixation)

FEDOROV, M.V.; SANDRAK, N.A.

Origin and chemical properties of extracellular excretions of
Azotobacter chroococcum. Mikrobiologiya 29 no.5:695-700 S-O '60.
(MIRA 13:11)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A.
Timiryazeva.

(AZOTOBACTER)

MORDKOVICH, B.I.; NEYPERT, K.V.; GROMOV, A.P.; SANDRAK, Ya.R.; ANSO, Ya.Ya.

Lowering nitrogen oxide losses in tower sulfuric acid systems
by means of automatic control. Khim.prom. no.12:832-837 D '61.
(MIRA 15:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i
insektofungitsidov i Khimicheskii kombinat Maardu.
(Sulfuric acid industry---Equipment and supplies)
(Nitrogen oxide)

SANDRATSKAYA, S.E.

Sanitary and hygienic conditions of labor in working with
polymethylmethacrylate. Gig.i san. 25 no.7:74-78 '60. (MIRA 14:5)

1. Iz I Moskovskogo ordena Lenina meditsinskogo instituta imeni
I.M. Sechenova.

(AIR--POLLUTION) (METHACRYLIC ACID--TOXICOLOGY)

SANDRATSKAYA, S.E. (Moskva)

Problems of industrial hygiene in the production of secondary
precious metals. Gig. truda i prof.zab. 5 no.6:43-45 Je '61.
(MIRA 15:3)

1. I Moskovskiy ordena Lenina meditsinskiy institut.
(PRECIOUS METALS--METALLURGY--HYGIENIC ASPECTS)

SANDRATSKAYA, S. E. (Moskva)

Experimental studies on the characteristics of tellurium as an industrial poison. Gig. truda i prof. zab. no.2:44-50 '62.
(MIRA 15:2)

1. I Moskovskiy ordena Lenina meditsinskiy institut.

(TELLURIUM--TOXICOLOGY)

SANDRATSKAYA, S.L.

Editor: Z. I. Za., Professor

Toxicologiya redkikh metallov (Toxicology of Rare Metals) Moscow, 1963. 335 p. 1500 copies printed.

Ed.: R. S. Khamidullin; Tech. Ed.: Yu. S. Bel'chikova.

OBJECT: To provide information on the toxic effects of rare metals.

SCOPE: The chemistry and industrial applications of rare metals and their compounds are discussed. The clinical picture and the toxicology of rare-metal poisoning is also given. There are 10 chapters.

CONTENTS: Chapter 1. Effect on an Organism of Rare Metals, Dispersed, and Other Metals Used in Industry and Their Compounds.

1. Vanadium.	O. Ya. Mogilevskaya	103
2. Chromium.	M. N. Mezentsava	104
3. Manganese.	V. Mezentsava et al	105
4. Zirconium.	O. Ya. Mogilevskaya	106
5. Vanadium.	I. V. Roshchin	110
6. Tantalum.	Yu. L. Yegorov	117
7. Niobium.	Yu. L. Yegorov	117
8. Rhenium.	S. E. Sandratskaya	125
9. Tungsten.	R. S. Vorob'yeva	125

SANDRATSKAYA, S.E.; KRASOVSKIY, G.N.

Distribution and excretion of tellurium from the organism.
Gig. i san. 28 no.7:92-95 J1 '63. (MIRA 17:1)

1. Iz kafedry gigiyeny truda i kafedry kommunal'noy gigiyeny
I Moskovskogo ordena Lenina meditsinskogo instituta imeni
I.M. Sechenova.

AUTHOR: Sandrigaylo, N.F. (Director)

130-3-2/22

TITLE: The Sokolovsko-Sarbaiski Mining and Concentration Combine.
(Sokolovsko-Sarbayskiy gornoobogatitel'nyy kombinat).

PERIODICAL: "Metallurg" (Metallurgist), 1957, No. 3, pp. 3-5 (U.S.S.R.)

ABSTRACT: Existing sources of iron ores are becoming insufficient to cope with the rising production of the Ural region. A new source, at Kustanai, is to be brought into use within the present Five-Year Plan. The reserves here greatly exceed those of the Krivoi Rog and Magnitka deposits and are of excellent quality. This article gives an illustrated account of the constructional work proceeding on the new mining and concentration plant there; planned developments are also indicated. This plant will form part of the Sokolovsko-Sarbaiski combine, with its own power stations, water works and resources for the manufacture of spare parts for the ore transporting equipment.

The deposits consist mainly of primary magnetite ores, which form 93% of the total reserves in the deposits; the rest consist of martite and semi-martite ores. The ores occur in thick seams and can be open-cast mined. Geological conditions are complex and present certain difficulties. The total length of railway track on the territory of the combine will be 300 km. and the daily dispatch of ore will be up to 50 000 tons (to Magnitogorsk, Chelyabinsk and other Ural plants). Type Δ C-1000 excavators are already being assembled, with an hourly capacity of 1000 m³ each; for dealing with the third layer of overlay

Card 1/2

SANDRIGAYLO, N. F.; VASIL'YEV, M. V., prof., doktor tekhn. nauk;
GRAUR, I. F.; USOV, F. M.; RYABOV, A. I.; ZHANTENIROV, S. D.;
VOROSHILIN, G. I.; MAKAROVA, N. U., red.

[Accelerated development of strip mines and expansion of
iron ore mining; as practiced at the Sokolovka-Sarbay
Mining and Ore Dressing Combine] Forsirovannaia podgotovka
kar'erov i razvitie dobychi z'eleznykh rud; na primere
Sokolovsko-Sarbaiskogo gornobogatitel'nogo kombinata.
Sverdlovsk, Sredne-Ural'skoe gos. knizhnoe izd-vo, 1964.
115 p. (MIRA 18:6)

SANDRIGAYLO, N.F.; GRAUR, I.F.

Increasing the productivity and speeding up the construction of
the Sokolovka-Sarbay Combine. Gor.zhur. no.2:5-9 F '64.
(MIRA 17:4)

1. Direktor Sokolovsko-Sarbayskogo gornoobogatitel'nogo
kombinata (for Sandrigaylo). 2. Glavnyy inzhener Sokolovsko-
Sarbaykogo gornoobogatitel'nogo kombinata (for Graur).

SANDRIGAYLO, N.F.; RYABOV, A.K.

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